IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Patent of: Kathryn Nance North)	Group Art Unit: 1634
Patent No. 7,615,342)	Examiner: Steven C. Pohner
Appl. No.: 10/527,831))	Confirmation No.: 1014
Filed: 01/09/2006)	
Atty. File No.: 5517-19)	Electronically Filed
For: ACTN3 GENOTYPE)	•
SCREEN FOR ATHELETIC)	
PERFORMANCE)	

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

STATEMENT UNDER 37 C.F.R. §1,705(b)(2)

Dear Sir:

- 1. This statement is respectfully submitted in support of the "Application for Patent Term Adjustment Including Request for Reconsideration Under 37 C.F.R. §1.705(d)" for the above-referenced patent. In view of the following, it is respectfully requested that Patentee be granted a patent term adjustment of 382 days.
- 2. The patent term adjustment indicated on published issued patent 7,615,342, issued November 10, 2009, under 35 U.S.C. §154(b) is 82 days (a copy of the first page of the patent is submitted herewith as Exhibit A). This determination of 82 days is in error. The correct patent term adjustment is 382 days. The relevant ground for adjustment under 37 C.F.R. §1.702 is: (b) "Failure to issue a patent within three years

from the actual filing date of the application". The relevant dates and facts will be discussed below.

A. "Three Years Delay" Pursuant to 37 C.F.R. §1.703(b)

Patentees are entitled to a period of patent term adjustment pursuant to 37 C.F.R. §1.703(b). The period of delay under 37 C.F.R. §1.703(b) is equal to the number of days in the period beginning on the day after the date that is three years after the date on which the above referenced application was filed under 35 U.S.C. 111(a) or the national stage commenced <u>under 35 U.S.C. 371(b) or (f)</u>, i.e, March 15, 2005, and ending on the date a patent is issued (hereinafter "Three Years Delay"). As the national phase commenced on March 15, 2005 and the patent issued on November 10, 2009, the period of Three Years Delay will be 605 days. This value was not listed in the calculations by the Office (See Exhibit B).

As set forth in 37 C.F.R. §1.703(f), Patentee is entitled to a period of patent term adjustment equal to the period of delays based on the grounds set forth in 37 C.F.R. §1.702 (hereinafter "Office Delay") reduced by the period of time during which Patentee failed to engage in reasonable efforts to conclude prosecution pursuant to 37 C.F.R. §1.704 (hereinafter "Applicant Delay"). With respect to the above-referenced application, the total period of Office Delay is the period of the Three Years Delay (605 days) under 37 C.F.R. §1.703(b), as no other Office Delay under §1.703(a), (c), (d), or (e) is applicable.

To calculate the period of patent term adjustment, the total period of Office Delay is reduced by the period of Applicant Delay, which the USPTO calculates as a period of 223 days (see "Applicant Delay" in Exhibit B). Patentee does <u>not</u> dispute the Applicant Delay calculated by the Office. As detailed below, Patentee concludes that that Applicant Delay is 223 days. Accordingly, Patentee submits that the correct patent term adjustment for the above-referenced application is 382 days which is the

difference between the total period of Office Delay (605 days) and the period of Applicant Delay (223 days) (see below).

B. "Applicant Delay" Pursuant to 37 C.F.R. §1.704

Pursuant to 37 C.F.R. §1.704 the period of adjustment of the term of the patent due to examination delay is reduced by the period of Applicant Delay. The circumstances during the prosecution of the application that resulted in the above-identified patents are summarized as follows:

- (i) Pursuant to 37 C.F.R. §1.704(b), the period of adjustment of the term of a patent under 37 C.F.R. § 1.703(a) through (e) is reduced by the period of time in excess of three months that is taken to reply to any notice or action by the Office. A non-final Office Action was mailed on May 8, 2007. Applicant responded to the non-final Office Action on November 8, 2007, which is three months and 92 days after the mailing date of the non-final Office Action. This constitutes a 92 day Applicant Delay under 37 C.F.R. § 1.704(b), in agreement with the Office.
- (ii) A second non-final Office Action was mailed on February 4, 2008. Applicant responded to the second non-final Office Action on August 13, 2008 which is three months and 92 days after the mailing date of the second non-final Office Action. This constitutes a 92 day Applicant Delay under 37 C.F.R. § 1.704(b).
- (iii) Pursuant to 37 C.F.R. § 1.704(c)(8), the period of adjustment of the term of a patent under 37 C.F.R. § 1.703(a) through (e) is reduced by the submission of a supplementary reply or paper after a reply is filed. The period of adjustment is the number of days after the initial reply was filed. An Supplemental Reponse was filed on March 19, 2009, 36 days after the filing of the Amendment after Final Rejection on February 11, 2009. This constitutes a 36 day Applicant Delay under 37 C.F.R. §1.704(c)(8).

(iii) Pursuant to 37 C.F.R. § 1.704(c)(10), the period of adjustment of the term of a patent under 37 C.F.R. § 1.703(a) through (e) is reduced by the submission of an Amendment under § 1.312 after the issuance of a Notice of Allowance. The period of adjustment is the number of days beginning on the date the Amendment under § 1.312 was filed and ending on the mailing date of the Office action or notice in response to the amendment under § 1.312. An Amendment under § 1.312 was filed on June 27, 2009 and the Office mailed a Response to Amendment, 2 days later, on June 29, 2009. This constitutes a 3 day Applicant Delay under 37 C.F.R. § 1.704(c)(10).

The Total Applicant Delay is calculated as follows:
Response to First Office Action Delay 92 days
Response to Second Office Action Delay 92 days
Supplemental Response 36 days
Amendment under § 1.312 3 days
Total Applicant Delay 223 days

As indicated on the PTA History (Exhibit B), the Office has calculated a period of Applicant Delay of 223 days. This is in agreement with the Applicant Delay calculated by Patentee, as explained above.

C. Calculation of Correct Patent Term Adjustment Pursuant to 37 C.F.R. § 1.702(f)

As set forth in 37 C.F.R. § 1.703(f), Patentees are entitled to a period of patent term adjustment equal to the period of PTO Delay reduced by the period of Applicant Delay. Therefore, Patentee submits that the correct patent term adjustment for the above-referenced application is 382 days, which is the difference between the total period of Office Delay (605 days) and the period of Applicant Delay (223 days).

D. No Terminal Disclaimer

In accordance with 37 C.F.R. § 1.705(b)(2)(iii), Patentee submits that the above identified application is not subject to a terminal disclaimer.

E. Conclusion

In view of the foregoing, it is respectfully requested that this Application for Patent Term Adjustment be favorably considered and that a corrected Determination of Patent Term Adjustment and Certificate of Correction be issued to reflect a patent term adjustment of 382 days.

Respectfully submitted,

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(303) 863-9700

Date: 1-11-2010

Exhibit 1

	United North	d Sta	tes Patent	(10) Patent No.:	US 7,615,342 B2	
	North			(45) Date of Patent:	Nov. 10, 2009	
(54)	ACTN3 GENOTYPE SCREEN FOR ATHLETIC PERFORMANCE		Lucia, et alinternational Journal of Sports Mediciae (2006) vol. 27 pp. 880-884.*			
(75)	Inventor:	Kathryn	Nance North, Glebe (AU)	North Nature Genetics (1999) vol. Contill et al Journal of Applied Ph 153.*		
(73)	Assignce:	Genetic T (AU)	schnologies Limited, Pitzroy	Rankinen et al, Medicine in sports and Exercise (2002) pp. 1219 2133.*		
(*)	Notice:	patent is	any disclaimer, the term of this extended or adjusted under 35 (b) by 82 days.	Voct et al Blockenistry, published 199, p. 78.* Brenner et al (Trends in Genetics (2001) vol. 17, pp. 414-418).* O'Brisn et al (Science respezion (1999) vol. 286, pp. 458-652, 479- 481.* Pitaliadia et al (Lasces (2005) vol. 366, pp. 16-417).*		
(21)	Appl. No.:	10/5	17,831	Primincia et al (Lancei (2003) vol. Milis et al, Human Molocular Ge 1346.*		
(22)	PCT Filed:	Sep.	15, 2003	generands.org/cgl-bin/carddisp.pl7gene=ACTN3&tamrch=actn3&t suff=but_po_l=11. Mar. 24, 2007.*		
(86)	PCT No.:		/AU03/01202	Yang, et al, Med. Sci. Sport and Exercise (2005) vol. 37, a42.* Moran et al. European Journal of Human Genetics (2007) vol. 15, pg		
	\$ 371 (c)(1 (2), (4) Dn		9, 2006	88-93.* Blanchard, Andrew, et al., "The Structure and function of a-actioin;		
(87)	PCT Pub. I	10.1 WO	1004/024947	Journal of Murcle Research and Cell Motility 10, 280-289 (1989) Beggs, Alan H., et al., "Clooling and Characterization of Two Homs		
	PCT Pub. I	Date: Mar.	25, 2004	Skeleini Mascle a Actinia Genes Lorated on Chronosomes 1 as 11" The Journal of Biological Chemistry, vol. 267, No. 13, Issue May 5, pp. 9281-9288, 1992.		
(65)		Prior I	ublication Deta	Nave, Rudiger, et al., "Interaction : Bluevier Science Publishers, vol. 2		
(30)	US 2006/0		Jun. 8, 2006 liceties Priority Data	Pap, Iris, et al., "Alpha setiols Cap filaments in Z-line," Journal of Mi	Z, an anchoring complex for this racle Research and Cell Modifity	
	p. 16, 2002		2002951411	20, pp. 187-197, 1999 Kluwer Aca Salmikangas, Paula, et al., "Myotili		
(51)	Int. Cl.			two Ig-like dornalas, is encoded by nesseniar dystrophy," Hursen Mole 7, pp. 1329-1336 1999 Oxford Uni	cular Gractica, 1999, vol. 8, No	
	C12Q 1/68 C87H 21/1	M	(2006.01) (2006.01)	Bellia, Robert M., et al., "Molecula	r characteristics and lateractions	
(52)	C12P 19/3	4	(2006.01) 435/6; 536/24.3; 435/91.2	of the Intermediate Filament Pro Biological Chemistry, vol. 274, No. 29499.		
(58)	Field of C	iamificatio	8 Search	Ade Geogos, Alistair, "Idealification Cytoskaletal Protein a-actinist" Bi (Printed in Great Britain).		
(56)		Refere	ices Cited	(Contl.	med)	
	υ.	S. PATENT	DOCUMENTS	Primary Examiner Surso Bes	sch	
	801,274 A	10/1905	Solute	Assistant Examiner-Steven C	Pohnert	
	4,683,195 A	7/1987	Mulfie et al.	(74) Attorney, Agent, or Firm-	-Sheridan Ross P.C.	
	4,683,202 A		Mullie	(57) ABSTI	ACT	
	4,800,159 A 4,883,750 A		Mullis et al. Whiteley et al.	(37) ABSII	LINE I	
	5,206,347 A		Ruorlahti et al.			
	5,279,721 A		Schmid	The present invention concerns	novel methods of selecting or	
	5,919,626 A	7/1999	Shi et al.	metching a sport or sporting t	vent to an individual (e.g. s	
	5,952,174 A	9/1999	Nikiforov et al.	sprint/power sport or an endura lette performance, the methods	nce sport) and predicting ath involving assessing ACTN2	

ments end/or psychological assessments to more optimally design a training regimen for an individual athlete. 14 Claims, 1 Drawing Sheet

OTHER PUBLICATIONS North et al, Nature Genetics (1999) vol. 21, pp. 353-354.*

0329822 BI 2 202328 A WO 88/10315 WO 89/06/700 WO 89/09/284

BP GB WO WO WO

FOREIGN PATENT DOCUMENTS 032030E BI

11/1993

6/1994 9/1988 12/1988 10/1989

Exhibit 2

Patent Ter	m Adjustment			Una least the	MARCH SE
Filing or 371(c) Date:	01-09-2006	USPTO Delay (PTO	Délay (days):	305
Issue Date of	Patent:	11-10-2009	Three Years:	建 线 医环境反应	
Pre-Issue Pet	itions (days):	+0	Applicant Delay (Al	PPL) Delay (days): 223
Post-Issue Po	etitions (days):	+0	Total Patent Term	Adjustment (day	s): 82
USRTO Adjus	tment (days) 🕞	+0	Explanation Of Calo	culations (1)	
00.5 QMMQ192740 M10.5 24/40.	Patent Term	Adjustmen	History		
Date	C	ontents Descr	iption	PTO(Days)	APPL(Days)
10-21-2009	PTA 36 Months			305	
11-10-2009	Patent Issue Da	e Used in PTA	Calculation		
08-11-2009	Dispatch to FDC			1	
07-29-2009	Mail Response to	312 Amendm	ent (PTO-271)	*	
07-27-2009	Response to Amendment under Rule 312				
07:27-2009	Amendment att	Notice of Allo	wance (Rule 312)	ELECTION AND	
07-20-2009	Application Is Co	nsidered Read	y for Issue		
07-16-2009	Issue Fee Paym	ent Verified		1 2	
07-16-2009	Issue Fee Payme	ent Received			
05=27=2009	TO Return to Pu	os il			
05-27-2009	Mail PUB other rapplicant	niscellaneous c	ommunication to		
05-26-2009	PUB Other misco applicant		nunication to		
05-05-2009	Sequence Forwa	rded to Pubs o	n Tape		
04-17-2009	Mail Notice of Al	lowance 1		KUPUTEDA.	BASIN TO
04-08-2009	Document Verifi	cation			
04-08-2009	Notice of Allowa	Notice of Allowance Data Verification Completed			
03-30-2009	Examiner's Ame	ndment Comm	unication		
03-24-2009	Examiner Interv	eminer Interview Summary Record (PTOL = 413)			
03-24-2009	Date Forwarded	to Examiner			
03-19-2009	Supplemental R	sponse		10 A 10 TO	730
02-16-2009	Miscellaneous In	coming Letter			1
03 10-2009	Mail Examiner In	iterview Summ	ary (PTOL 413)		
03-02-2009	Examiner Interv	iew Summary I	Record (PTOL - 413)		1
02-19-2009	Date Forward d	to Examiner		11341	
02-11-2009	Amendment after	r Final Rejection	on		1
02-10-2009	Mail Examiner In	iterview Summ	arv (PTOL - 413)		
02-04-2009	Examiner Interv	iew Summary I	Record (PTOL - 413)		mar our section and
02-03-2009	Change in Power Associate POA)	of Attorney (N	lay Include		

02-02-2009	Correspondence Address Change
12-01-2008	Electronic Review
11-28-2008	Email Notification
11-28-2008	Mail Final Rejection (PTOL - 326)
11-19-2008	Final Rejection
08-13-2008	Information Disclosure Statement considered
11-13-2008	Email Notification
11-13-2008	Change in Power of Attorneys (May Include Associate POA)
11-03-2008	Correspondence Address Change
09-19-2008	Date Forwarded to Examiner
08-13-2008	Response after Non-Final Action 92
08-13-2008	Request for Extension of Time - Granten
08-13-2008	Information Disclosure Statement (IDS) Filed
08-13-2008	Information Disclosure Statement ((IDS)) Filed
02-13-2008	Mail Non-Final Rejection
02-04-2008	NonHinal Rejection
11-08-2007	Information Disclosure Statement considered
11-08-2007	New or Additional Drawing Filed
11-27-2007	Date Forwarded to Examiner
11-08-2007	Response after Non-Final Action 92
11-08-2007	Request for Extension of Time - Granted
11-08-2007	Information Pisclosure Statement (IDS)/Fileo
11-08-2007	Information Disclosure Statement (IDS) Filed
05-08-2007	Mail Non-Final Rejection
03-29-2007	Non-Final Rejection
03-02-2006	Information Disclosure Statement considered
01-09-2007	Information Disclosure Statement considered
02-18-2007	Date Forwarded to Examiner
02-12-2007	Response to Election / Restriction Filed
01-09-2007	Electronic Information Disclosure Statement
01-09-2007	Information Disclosure Statement (IDS) Filed
01-11-2007	Mail Restriction Requirement
01-08-2007	Requirement for Restriction / Election
10 Co. 10	Case Docketed to Examiner in GAU
04-22-2006	IFW TSS Processing by Tech Center Complete
03-09-2006	Cleare 1 by OIPE CSR
03-09-2006	Cleared by OIPE CSR .
03-09-2006	Cleared by OIPE CSR
03-09-2006	Cleared by OIPE CSR

03-09-2006	Cleared by OIPE CSR	grafia alagan
03-02-2006	Information Disclosure Statement (IDS) Filed	DIFFE OF STREET, STREE
03-02-2006	Information Disclosure Statement (IDS) Filed	
01-09-2006	371 Completion Date	
02-27-2006	Application Dispatched from OIPE	
02-27-2006	Notice of DO/EO Acceptance Mailed	
01-09-2006	Additional Application Filing Fees	
01-09-2006	Information Disclosure Statements	
01-09-2006	A statement by one or more inventors satisfying the requirement under 35 USC 115, Oath of the Applic	